

Other Communications Equipment Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
334290, Other communications equipment manufacturing	2002..	471	503	25 665	1 142 905	11 469	22 095	334 708	3 261 730	2 311 205	5 534 591	'100 977
	2001..	N	N	28 062	1 163 110	12 945	24 917	359 675	3 420 704	2 223 516	5 571 020	146 470
	2000..	N	N	22 882	861 418	11 355	21 535	291 150	2 795 401	2 112 982	4 904 724	132 483
	1999..	N	N	23 977	842 271	11 627	21 645	278 043	2 640 223	1 935 625	4 539 002	147 011
	1998..	N	N	24 345	911 371	11 652	22 387	269 689	2 393 271	1 781 194	4 189 477	224 945
	1997..	461	493	24 190	876 383	11 586	22 339	259 740	2 500 883	1 598 734	4 103 810	148 820

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
334290, Other communications equipment manufacturing												
United States	1	503	180	25 665	1 142 905	11 469	22 095	334 708	3 261 730	2 311 205	5 534 591	'100 977
California	2	84	33	3 360	158 258	1 245	2 484	37 599	447 351	371 506	812 751	'10 681
Colorado	—	15	6	336	14 284	194	358	5 325	43 432	34 279	78 052	'11 156
Connecticut	—	10	5	880	39 929	379	861	11 332	199 456	123 934	322 752	'4 327
Florida	2	39	11	1 582	58 468	559	1 080	17 152	132 757	95 335	225 877	'7 313
Georgia	4	10	6	270	13 457	82	168	2 535	30 712	24 993	55 666	'808
Illinois	3	24	10	2 331	97 932	1 335	2 556	41 209	196 022	147 615	346 049	'5 307
Michigan	1	15	6	589	27 457	329	520	10 457	50 108	47 483	102 958	'1 539
Minnesota	—	8	3	830	38 911	369	753	11 582	134 224	81 199	213 875	'2 127
Missouri	—	11	7	1 721	88 087	655	1 360	18 649	153 696	126 180	279 632	'6 697
New Jersey	1	22	8	635	27 694	244	461	6 428	113 300	44 546	158 271	'2 294
New York	—	31	7	2 918	136 624	1 221	2 218	35 721	409 594	292 858	671 488	'11 991
North Carolina	—	13	4	404	11 747	212	420	4 533	59 746	34 428	94 672	'412
Oregon	—	13	4	664	27 327	330	673	10 283	73 560	68 991	141 559	'1 878
Pennsylvania	2	16	5	555	23 228	241	416	7 793	52 209	40 997	89 499	'779
Texas	1	35	11	1 166	41 771	638	1 214	14 388	91 318	88 311	179 442	'2 313
Virginia	1	14	4	367	14 960	142	303	4 151	33 982	37 000	70 943	'702
Washington	6	16	3	273	11 238	98	200	3 851	27 128	14 991	41 540	'593
Wisconsin	3	13	3	143	5 030	67	111	1 598	11 457	6 048	17 319	'827

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
334290, Other communications equipment manufacturing	
Companies ¹	number.. 471
All establishments ²	number.. 503
Establishments with 1 to 19 employees	number.. 323
Establishments with 20 to 99 employees	number.. 124
Establishments with 100 employees or more	number.. 56
All employees ³	number.. 25 665
Total compensation	\$1,000.. 1 429 275
Annual payroll	\$1,000.. 1 142 905
Total fringe benefits	\$1,000.. 286 370
Production workers, average for year	number.. 11 469
Production workers on March 12	number.. 11 474
Production workers on May 12	number.. 11 473
Production workers on August 12	number.. 11 478
Production workers on November 12	number.. 11 425
Production worker hours	1,000.. 22 095
Production worker wages	\$1,000.. 334 708
Total cost of materials	\$1,000.. 2 311 205
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 933 389
Resales	\$1,000.. 303 270
Purchased fuels	\$1,000.. 9 242
Purchased electricity	\$1,000.. 27 233
Contract work	\$1,000.. 38 071
Quantity of electricity purchased for heat and power	1,000 kWh.. 284 560
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 5 534 591
Primary products value of shipments	\$1,000.. 4 751 582
Secondary products value of shipments	\$1,000.. 228 010
Total miscellaneous receipts	\$1,000.. 554 999
Value of resales	\$1,000.. 404 677
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 95
Value of primary products shipments made in all industries	\$1,000.. 4 876 185
Value of primary products shipments made in this industry	\$1,000.. 4 751 582
Value of primary products shipments made in other industries	\$1,000.. 124 603
Coverage ratio	percent.. 97
Value added	\$1,000.. 3 261 730
Total inventories, beginning of year	\$1,000.. 780 101
Finished goods inventories	\$1,000.. 225 451
Work-in-process inventories	\$1,000.. 98 522
Materials and supplies inventories	\$1,000.. 456 128
Total inventories, end of year	\$1,000.. 802 169
Finished goods inventories	\$1,000.. 257 807
Work-in-process inventories	\$1,000.. 104 510
Materials and supplies inventories	\$1,000.. 439 852
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '1 389 511
Total capital expenditures (new and used)	\$1,000.. '100 977
Buildings and other structures (new and used)	\$1,000.. '11 652
Machinery and equipment (new and used)	\$1,000.. '89 325
Automobiles, trucks, etc., for highway use	\$1,000.. '6 623
Computers and peripheral data processing equipment	\$1,000.. '16 177
All other expenditures for machinery and equipment	\$1,000.. '66 525
Total retirements	\$1,000.. '129 145
Gross value of depreciable assets at end of year	\$1,000.. '1 361 343
Depreciation charges during year	\$1,000.. '108 162
Total rental payments	\$1,000.. 62 425
Buildings and other structures	\$1,000.. 43 313
Machinery and equipment	\$1,000.. 19 112
Total other expenses ⁴	\$1,000.. 269 293
Response coverage ratio ⁵	percent.. 61
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 11 650
Communications services ⁴	\$1,000.. 13 096
Legal services ⁴	\$1,000.. 6 872
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 846
Advertising and promotional services ⁴	\$1,000.. 20 103
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 5 723
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 1 182
Management consulting and administrative services ⁴	\$1,000.. 14 276
Taxes and license fees ⁴	\$1,000.. 21 429
All other expenses ⁴	\$1,000.. 172 115

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
334290, Other communications equipment manufacturing											
All establishments	1	503	25 665	1 142 905	11 469	22 095	334 708	3 261 730	2 311 205	5 534 591	'100 977
Establishments with—											
1 to 4 employees	9	190	354	13 187	195	350	4 574	28 426	22 031	50 433	'767
5 to 9 employees	6	79	521	22 622	208	378	5 705	51 250	51 868	102 823	'1 620
10 to 19 employees	5	54	757	30 744	333	596	8 814	74 882	63 077	138 507	'1 901
20 to 49 employees	2	75	2 338	99 067	1 082	2 085	29 693	250 686	204 777	451 335	'14 174
50 to 99 employees	3	49	3 421	146 121	1 478	2 843	41 328	318 176	272 459	589 104	'14 109
100 to 249 employees	1	35	5 602	247 372	2 646	5 162	78 503	651 770	546 437	1 197 887	'15 049
250 to 499 employees	—	11	3 771	161 468	1 868	3 333	52 064	469 315	254 914	700 738	'10 827
500 to 999 employees	—	7	4 779	190 575	2 251	4 459	64 719	545 679	396 109	934 241	'18 314
1,000 to 2,499 employees	—	3	4 122	231 749	1 408	2 889	49 308	871 546	499 533	1 369 523	'24 216
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	239	1 113	46 231	471	877	12 323	108 959	83 352	190 272	'2 879

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
334290	Other communications equipment manufacturing	503	25 665	1 142 905	11 469	22 095	334 708	3 261 730	2 311 205	5 534 591	'100 977
3342901	Alarm systems, including electric sirens and horns	96	13 651	618 802	6 005	11 674	182 248	2 132 701	1 417 763	3 523 630	'66 380
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments	47	5 210	233 822	2 475	5 097	70 202	531 577	429 710	956 949	'15 195
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph.....	23	2 155	98 129	930	1 502	27 776	170 596	141 079	305 755	'7 527

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
334290	Other communications equipment manufacturing	2002.. N	X	X	4 876 185
	1997.. N	N	X	X	3 498 852
3342901	Alarm systems, including electric sirens and horns	2002.. N	X	X	2 981 498
	1997.. N	N	X	X	2 056 111
33429011	Alarm systems, including electric sirens and horns	2002.. N	X	X	2 981 498
	1997.. N	N	X	X	2 056 111
3342901100	Alarm systems, including electric sirens and horns ¹	2002.. 110	X	X	2 981 498
	1997.. 109	N	X	X	2 056 111
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments	2002.. N	X	X	895 932
	1997.. N	N	X	X	1 003 415
33429021	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments	2002.. N	X	X	895 932
	1997.. N	N	X	X	1 003 415
3342902100	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments ¹	2002.. 56	X	X	895 932
	1997.. 49	N	X	X	1 003 415
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph	2002.. N	X	X	305 469
	1997.. N	N	X	X	291 751
33429031	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph	2002.. N	X	X	305 469
	1997.. N	N	X	X	291 751
3342903100	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph ¹	2002.. 33	X	X	305 469
	1997.. 50	N	X	X	291 751
334290W	Other communications equipment manufacturing, nsk, total	2002.. N	X	X	693 286
	1997.. N	N	X	X	147 575
334290WY	Other communications equipment manufacturing, nsk, total	2002.. N	X	X	693 286
	1997.. N	N	X	X	147 575
334290WYWW	Other communications equipment manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	510 450
	1997.. N	N	X	X	30 546
334290WYWY	Other communications equipment manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	182 836
	1997.. N	N	X	X	117 029

¹For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3342901	Alarm systems, including electric sirens and horns	
	United States..... 2002..	2 981 498
	..... 1997..	2 056 111
	California 2002..	288 139
	..... 1997..	179 556
	Colorado 2002..	44 429
	..... 1997..	85 432
	Illinois 2002..	238 778
	..... 1997..	N
	Michigan 2002..	67 304
	..... 1997..	85 134
	Minnesota 2002..	201 862
	..... 1997..	149 547
	New York 2002..	632 801
	..... 1997..	N
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments	
	United States..... 2002..	895 932
	..... 1997..	1 003 415
	California 2002..	215 811
	..... 1997..	180 497
	Florida 2002..	32 922
	..... 1997..	74 408
	New York 2002..	7 887
	..... 1997..	N
	Pennsylvania 2002..	10 903
	..... 1997..	N
	Texas 2002..	69 097
	..... 1997..	33 255
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph	
	United States..... 2002..	305 469
	..... 1997..	291 751
	California 2002..	66 429
	..... 1997..	53 164

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
334290	Other communications equipment manufacturing		
00900001	Total materials .....2002..	X	1 933 389
	.....1997..	X	1 368 511
33441200	Printed circuit boards (without inserted components) for electronic circuitry .....2002..	X	71 786
	.....1997..	X	145 206
001900C4	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components) .....2002..	X	47 873
	.....1997..	X	53 968
33441300	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits), for electronic circuitry .....2002..	X	59 887
	.....1997..	X	68 814
33441400	Capacitors for electronic circuitry .....2002..	X	24 826
	.....1997..	X	19 783
33441500	Resistors for electronic circuitry .....2002..	X	12 786
	.....1997..	X	14 767
001900D3	All other miscellaneous components and accessories, for electronic circuitry (excluding tubes) .....2002..	X	42 211
	.....1997..	X	32 335
33422001	Electronic communication equipment .....2002..	X	91 063
	.....1997..	X	58 623
33451501	Electrical instrument mechanisms and meter movements (including instrument relays) .....2002..	X	13 889
	.....1997..	X	12 108
33411001	Electronic computer equipment .....2002..	X	13 504
	.....1997..	X	N
33411200	Purchased peripheral storage devices .....2002..	X	159
	.....1997..	X	N
33593101	Current-carrying wiring devices .....2002..	X	2 434
	.....1997..	X	13 591
331000A7	Insulated wire and cable (including magnet wire) .....2002..	X	12 162
	.....1997..	X	19 339
33431005	Loudspeakers, microphones, and tuners (all types) .....2002..	X	13 292
	.....1997..	X	15 759
33531211	Fractional horsepower electric motors (less than 1 hp) .....2002..	X	D
	.....1997..	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	4 203
	.....1997..	X	D
32610007	Fabricated plastics products (excluding gaskets, hoses, and belting) .....2002..	X	21 747
	.....1997..	X	60 525
332000A9	Sheet metal products (excluding stampings) .....2002..	X	21 583
	.....1997..	X	40 618
332000AC	Metal stampings .....2002..	X	5 354
	.....1997..	X	10 038
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	10 692
	.....1997..	X	24 540
33200033	Other fabricated metal products (excluding forgings) .....2002..	X	14 365
	.....1997..	X	63 211
33210000	Forgings .....2002..	X	D
	.....1997..	X	N
33100035	Castings, rough and semifinished .....2002..	X	20 199
	.....1997..	X	19 379
33120001	Steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	8 044
	.....1997..	X	5 635
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	9 879
	.....1997..	X	N
33100077	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	464
	.....1997..	X	971
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	13 436
	.....1997..	X	11 805
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	788 957
	.....1997..	X	208 774
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	603 424
	.....1997..	X	452 387

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.